APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Belt Conveyor Training Idlers in Operation, by
R. Brade.
GERMAN, per, Bergbautechnik, Vol 17, No 2, 1967,
pp 63-68.
SEC

sci/ mechan engr
aug 69

389,672

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Economic Aspects in the Choice of Technological Variants in Open-Pit Mining of Brown Coal, by Alfred Baumann, 16 pp.
GERMAN, per, Bergbautechnik, Vol XVII, No. 4, Apr 1967, pp. 179-183.
JPRS 41372

RE-East Germany
Econ
July 67

329,637

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

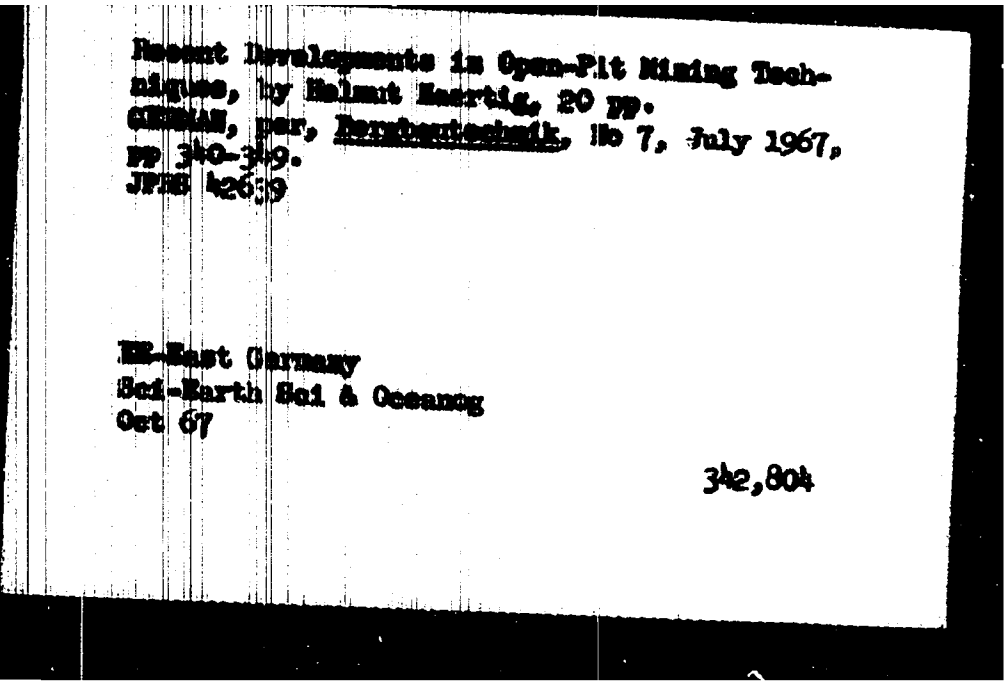
Train Hawlling by Remote Control in Open-Pit Mining, 8 pp.
GERMAN, per, Bergbautechnik, No. 5, May 1967, pp. 237-240.
JPRS 41792

EE-East Germany
Econ
Aug 67

333,357

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



Recent Developments in Open-Pit Mining Technique, by Helmut Baertig, 20 pp.
GERMAN, per, Bergbautechnik, No 7, July 1967,
pp 340-349.
JPRS 42659

EE-East Germany
Sci-Earth Sci & Oceanog
Oct 67

342,804

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Operating Results of Curvilinear Belt Conveyors
In the Open Cut, Problem., by K. Thomas
GERMANY, DDR, Bergbautechnik, Vol 17, No 7, 1967,
pp 379-383.
SEC

sci/ techn engr
aug 69

389,685

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Use of Raw Materials in Mining, by Erich Schaffhirt, 6 pp.
GERMAN, per. Bergbautechnik, Vol 17, No 11, Nov 1967, pp 573-575.
JPRS 43920

Sci/Ear Sci & Ocean
Jan 68

348,264

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Minister Discusses Tasks of Brown Coal Industry, by Klaus Siebold, 8 pp.
GERMAN, per, Bergbautechnik, Leipzig, Jan 68k pp. 2-4.
JPRS 44,825

Sci-Earth Sci. and Oceanog.
March 68 355,115

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Problems of Exploratory Drilling in Brown Coal Mines,
by H.-C. Spann, S. Standke.
GERMAN, per, Bergbautechnik, Vol 18, No 1, 1968,
pp 18-23.
SEC
Vol 17, No 3, 1969

July 69 385-183

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Advantages of the Use of Bucket Chain Dredgers in Open Cut Mining, by J. Goedeke, P. Kersten. GERMAN, per. Bergbautechnik, Vol 18, No 1, 1968, pp 23-28.
SEC

Sci/Mech
July 69

385-994

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Brown Coal Classification of CEMA Countries, by Kurt Hafner and Erich Rammler, 19 pp.
GERMAN, per. Bergbautechnik, Leipzig, Jan 68, pp. 32-38.
JPRS 44,825

EE (Intrabloc)
Economic
March 68

355,114

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Interim Dumping in Overburden Belt Conveying Projects with Combined Stacking and Loading Machines, by D. Stoyan, A. Trillhose. GERMAN, per, Bergbautechnik, Vol 18, No 4, 1968, pp 173-176.
SEC

Sci-Mech
July 69

386-000

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Output Utilization Factor of Bucket Chain Dredgers,
by W. Lieberwirth, J. Wachetr.
GERMAN, per. Bergbautechnik, Vol 18, No 4, 1968,
pp 193-199.
SEC

Sci/Mech
July 69

386-881

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Upward Displacement of the Base of the Open Cut and of the Underlying Beds, Together with Horizontal Ground Movements in the Marginal Regions, By E. Dorschner.
GERMAN, per, Bergbautechnik, Vol 18, No 5, 1968, pp 236-242.
SEC

Sci/Tar Sci
July 69 386-918

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Operating Experiences and Economic Advantages Gained by the Halle Administration of Nationally Owned Brown Coal Mines With Form Pieces With Heat-treated Surfaces, by K. Budde.
GERMAN, per, Bergbautechnik. vol 18, No 5, 1968, pp 264-269
SEC

sci/ materials
aug 69

389,732

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Program Control of Bucket Wheel Dredgers Without Feed Movement, Developed by VEB "Otto Buchwitz" Heavy Electric Equipment Plant, Dresden by H. Stock, W. Penzel.
GERMAN, per, Bergbautechnik, Vol 18, No 6, 1968, pp 308-312.
S2C

sci/mechan engr
aug 69

389,684

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Regulated Devices of Belt Conveyors, by O. Rottky.
GERMAN, per. Bergbautechnik, Vol 18, No 6, 1968,
pp 313-317.
SEC

Sci/Mech
July 69

386-885

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Standard and Development Trends in the Manufacturing Process of Form Pieces in the Brown Coal Briquette Factories of the German Democratic Republic, by P. Dittmann.
GERMAN, per, Bergbautechnik, Vol 18, No 7, 1968, pp 362-367.
GB 121

Sci/Mat
July 69

386-014

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Soil-mechanical Problems in Open Cut Mining.
2. Investigations on Dump-stability, by
A. Kezdi.
GERMAN, per, Bergbautechnik, Vol 18, No 8, 1968,
pp 398-402.
SEC

sci/ earth sci
aug 69

388,716

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Investigation of Lagging for the Drive Pulleys of Belt Conveyors, by K. Brade, W. Bartl.
GER-Ger, per, Bergbautechnik, Vol 18, No 8, 1968
pp 406-412.
Abs

sci/ mechan engr
aug 69

388,683

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Problems Connected With the Realisation of the New Economic System of Planning and Management in the Coal Industry of the German Democratic Republic, by H. Trauer.

GERMAN, per, Bergbautechnik, Vol 14, No 9, 1968, pp 451-462.

SEC

sci/ fuel and prop
aug 69

388,699

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Various Methods of Determining Earth Movements at the Margins of Open Cuts, by E. Dorschner. [illegible], Ber, Bergbautechnik, Vol 18, No 9, 1968, pp 459-465.
SEC

sci/ earth sci
aug 69

388,715

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Production, Repair, and Use of Composite Sliding-contract Bearings with White Metal Liners, by K. Domann Bergbautechnik
GERMAN, per, No. 9 Vol. 18: 488-92, 1968
SEC

Sci-elec
July 69 385,703

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

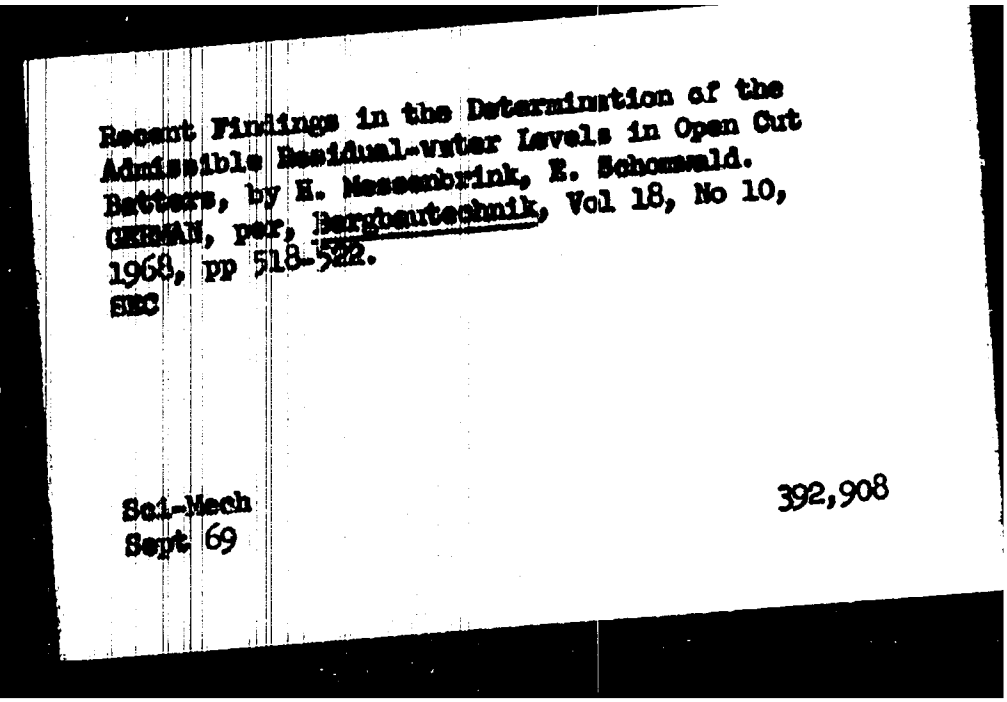
Siebold Defines Energy Industry Structural Policy.
by Klaus Siebold, 18 pp.
GERMAN, rpt, Bergbautechnik, Leipzig, Oct 1968,
pp 497-503, 508-509.
JPRS 47115

Sci-Mech Engr
Jan 69

371.991

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



Recent Findings in the Determination of the Admissible Residual-water Levels in Open Cut Batters, by H. Massenbrink, E. Schonwald. GERMAN, per, Bergbautechnik, Vol 18, No 10, 1968, pp 518-522.
SEC

Sci-Mech
Sept 69

392,908

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Some Considerations on the Energy Consumption and Production Technology of Bucket Chain Dredges Operating in Deep Cut, by W. Golczyk. GERMAN, per, Bergbautechnik, Vol 18, No 11, 1968, pp 563-568.
SEC

Sci-Energy Conversion
Feb 70

401,706

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Study of the Chemical Composition of Peats from Deposits in the German Democratic Republic. 15. The Relation Between the Chemical Composition of Peat-forming Plants and Peats, by L. Balau.
GERMAN, per, Bergbautechnik, Vol 19, No 1, 1969, pp 45-49.
SEC

Sci-B&M
Feb 70

401,717

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

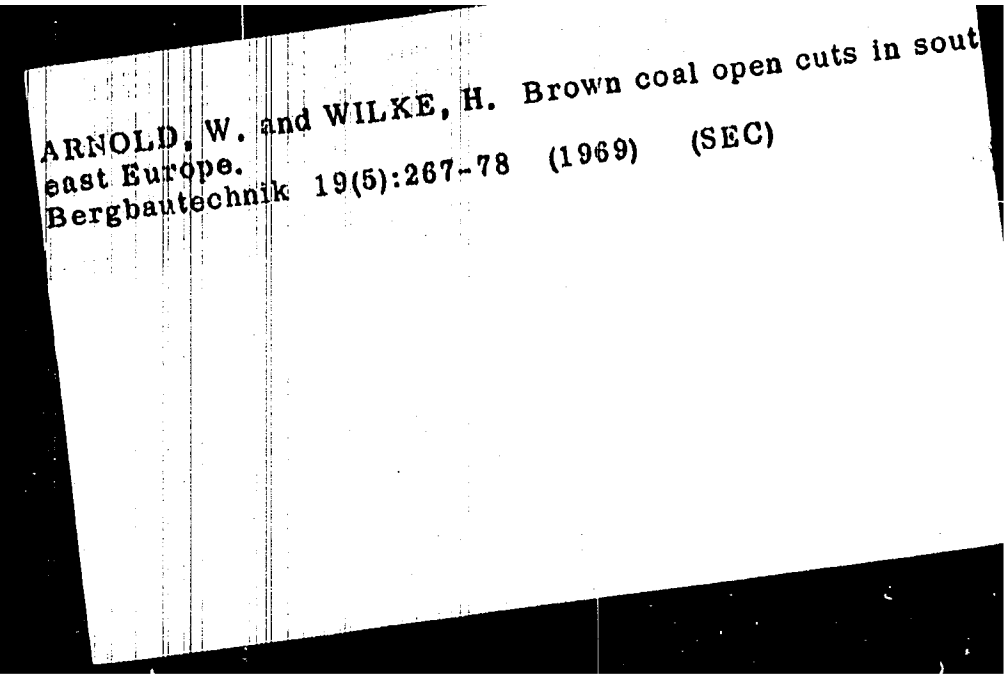
Laboratory Investigations on the Shearing Strength of Brown Coal Test Specimens, as the Basis for the Solution of Problems in Rock Mechanics, by M. Siegmundt.
GERMAN, per, Bergbautechnik, Vol 19, No 2, 1969, pp67-72.
SEC

Sci-Materials
Feb 70

A1,709

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

SONTAG, E. and SÜSS, M. Examples of petrological ana
to clarify brown coal upgrading problems related to raw
materials and technical processes. 2. Gasification and fi
Bergbautechnik 19(7):376-81 (1969) (SEC)

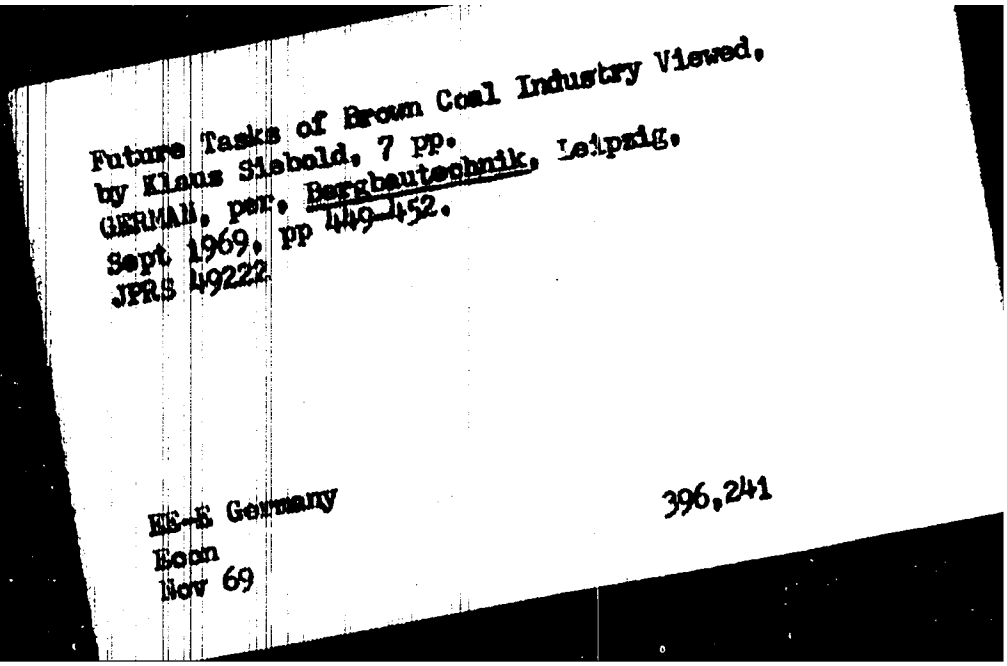
APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

SCHENKE, K. Modifications in different variables of stat
of briquettes during their passage through the form channe
of the extrusion (stamp) press.
Bergbautechnik 19(8):429-36 (1969) (SE

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



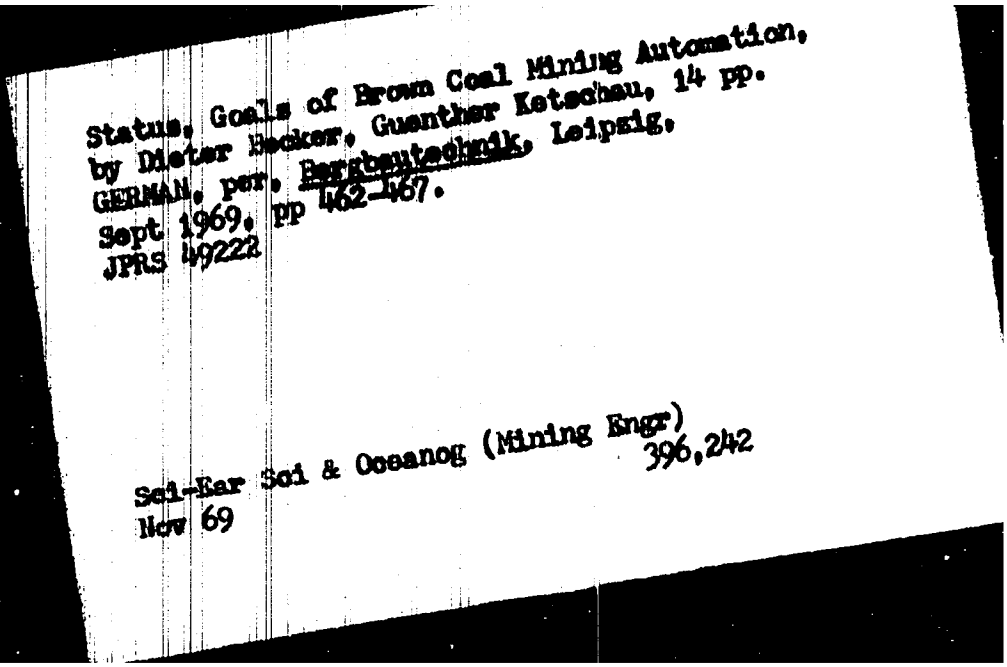
Future Tasks of Brown Coal Industry Viewed,
by Klaus Siebold, 7 pp.
GERMAN, per. Bergbautechnik, Leipzig.
Sept. 1969, pp 449-452.
JPRS 49222

E6-E Germany
Econ
Nov 69

396,241

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

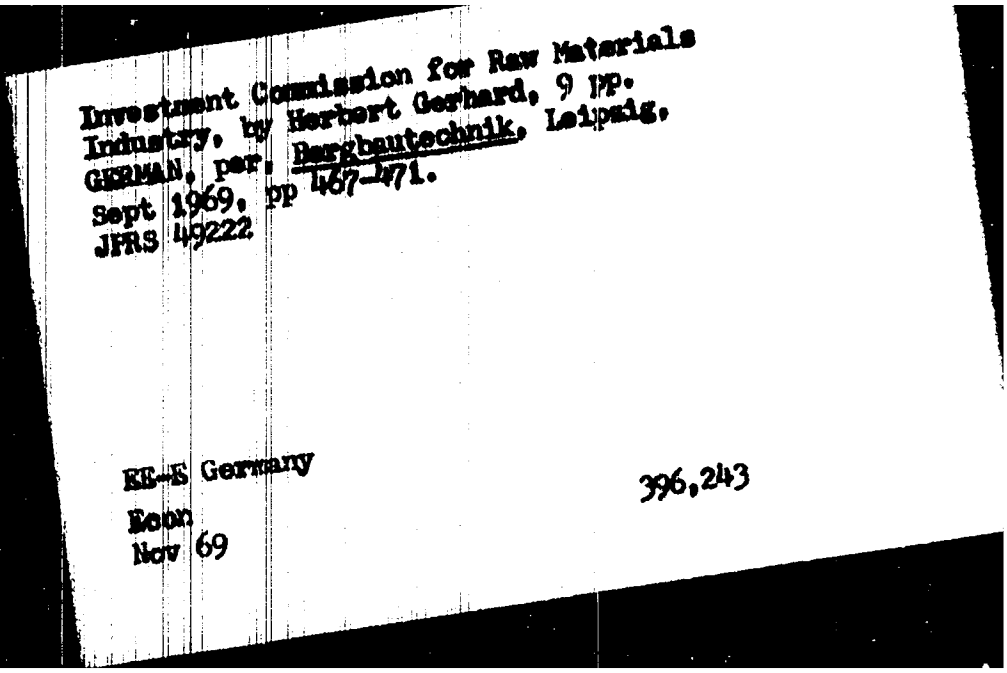


Status, Goals of Brown Coal Mining Automation,
by Dieter Becker, Guenther Ketschau, 14 pp.
GERMAN, per. Bergbautechnik, Leipzig.
Sept 1969, pp 462-467.
JPRS 49222

Sci-Ear Sci & Oceanog (Mining Engr)
Nov 69
396,242

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



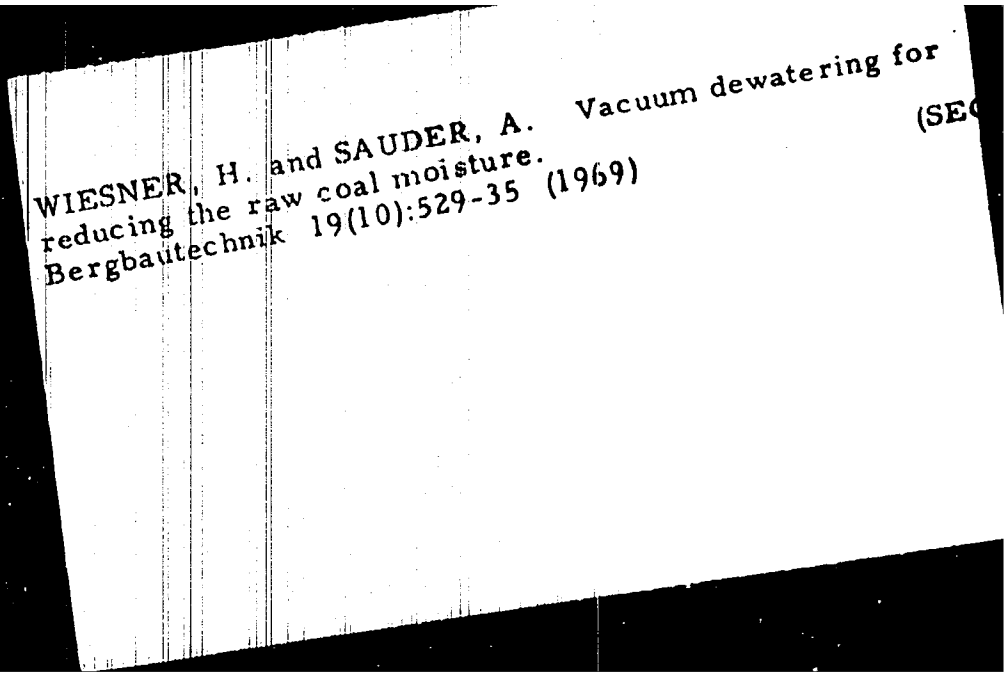
Investment Commission for Raw Materials Industry, by Herbert Gerhard, 9 pp. GERMAN, per. Bergbautechnik, Leipzig, Sept 1969, pp 467-471.
JPRS 49222

EE-E Germany
Econ
Nov 69

396,243

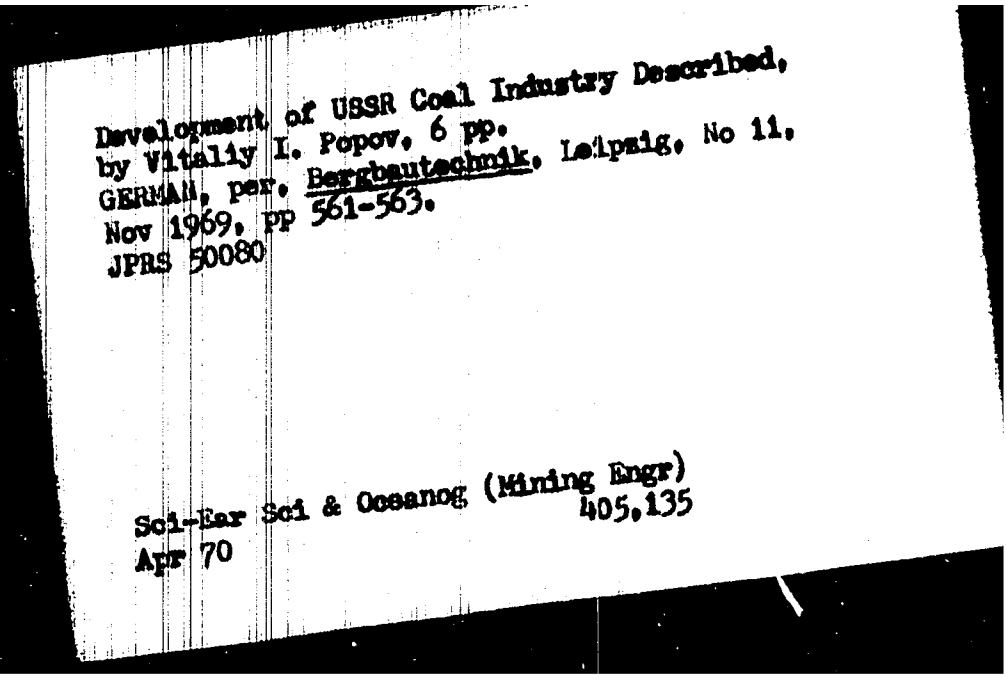
APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

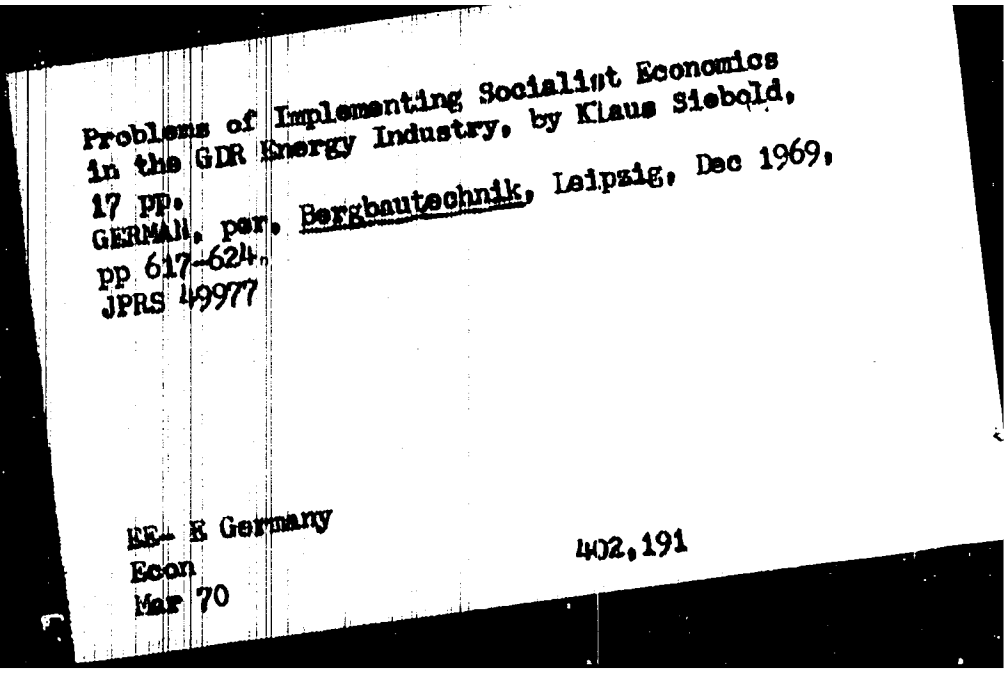


Development of USSR Coal Industry Described,
by Vitaliy I. Popov, 6 pp.
GERMAN, per. Bergbautechnik, Leipzig, No 11,
Nov 1969, pp 561-563.
JPRS 50080

Sci-Ear Sci & Oceanog (Mining Engr)
405,135
Apr 70

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



Problems of Implementing Socialist Economics in the GDR Energy Industry, by Klaus Siebold, 17 pp.
GERMAN, per. Bergbautechnik, Leipzig, Dec 1969, pp 617-624.
JPRS 49977

EE- E Germany
Econ
Mar 70

402,191

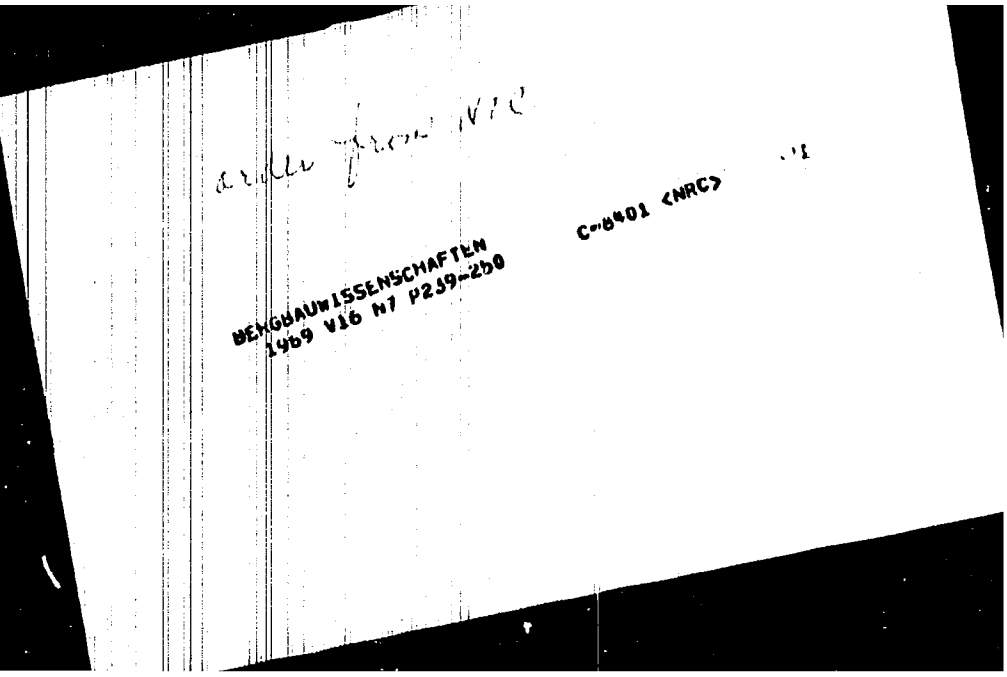
APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Use of a Compounded Lubricant in External Installations, by Sepp Schrufer, 7 pp.
GERMAN, per, Bergbautechnik, Vol 20, No 4, 1970,
pp 217-219
AIR/FTD-HT-23-414-71

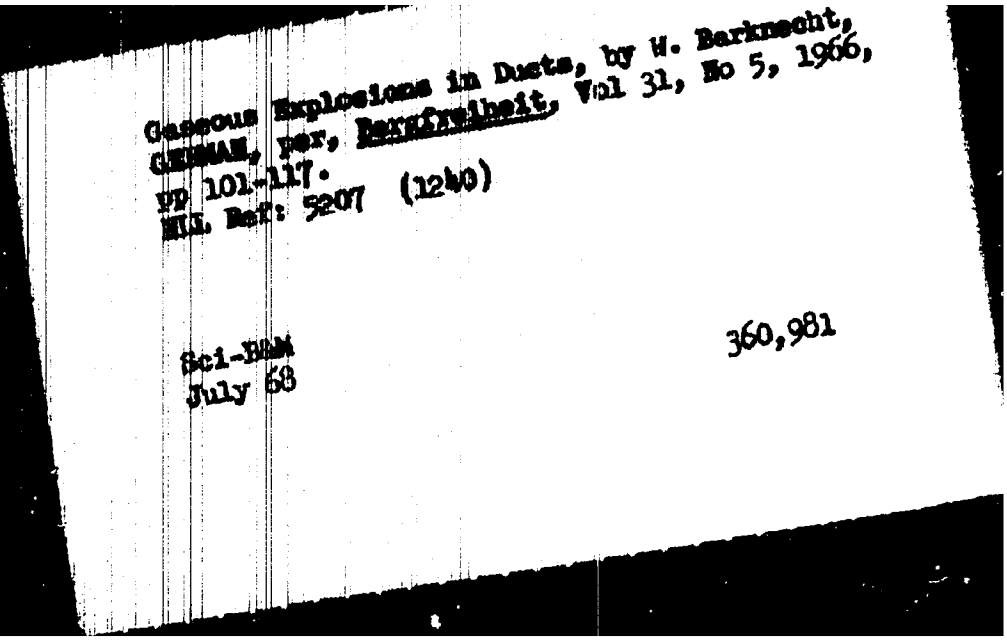
APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



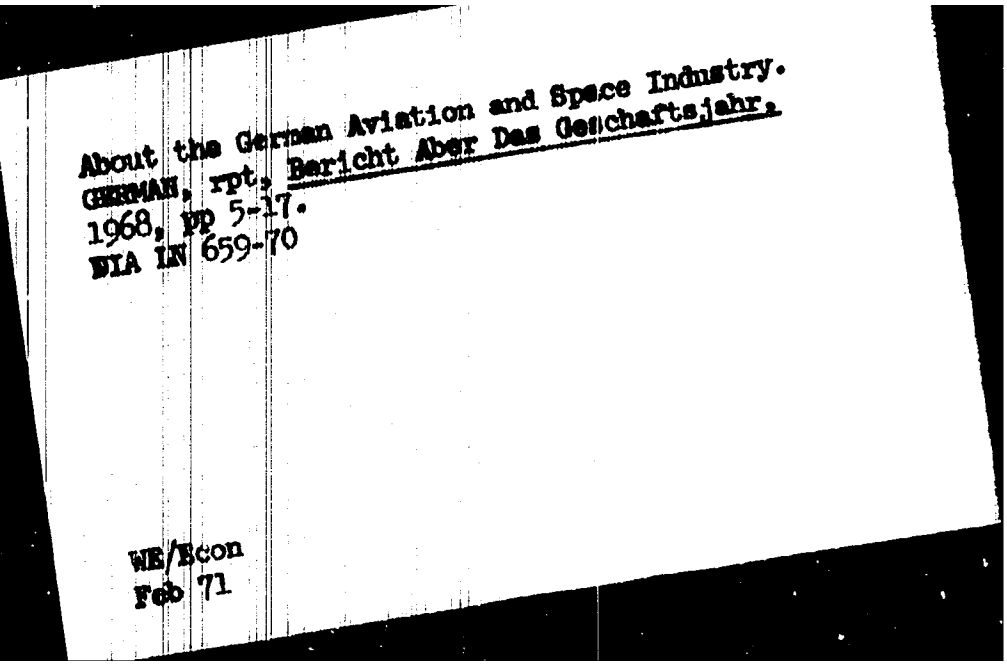
Gaseous Explosions in Ducts, by W. Berkrecht,
GERMAN, per, Bergfreiheit, Vol 31, No 5, 1966,
pp 101-117.
MIC. Ref: 5207 (1240)

Sci-BBM
July 68

360,981

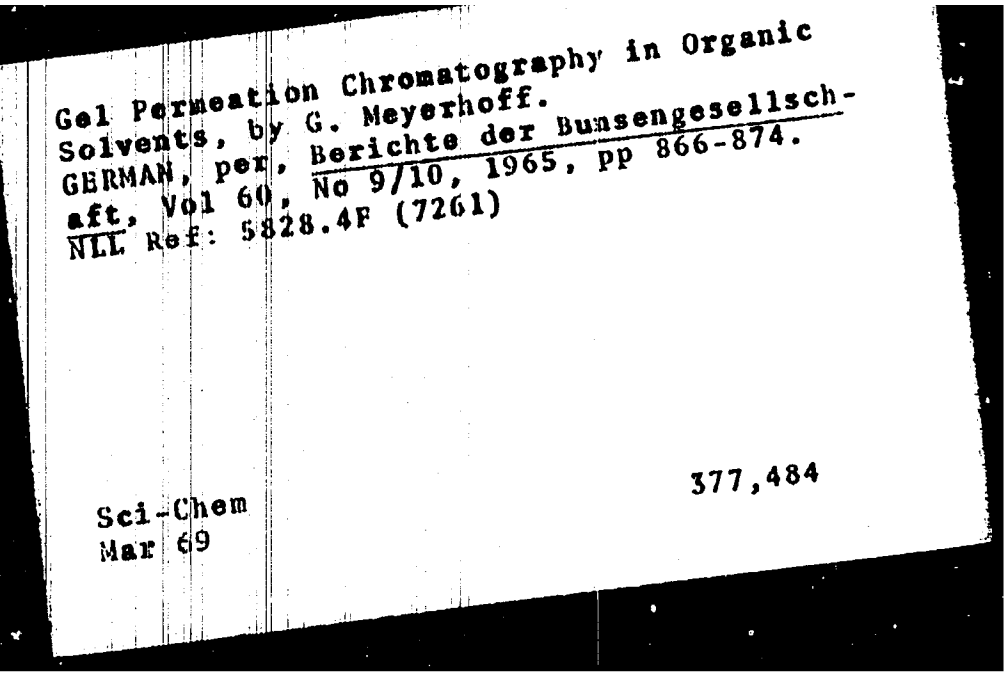
APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



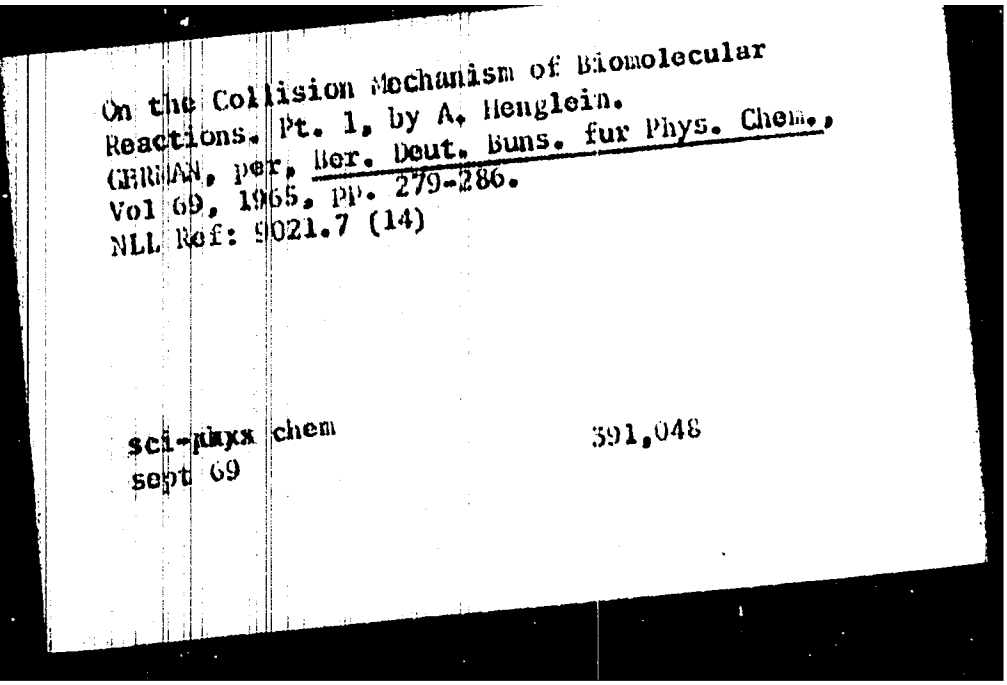
Gel Permeation Chromatography in Organic Solvents, by G. Meyerhoff.
GERMAN, per, Berichte der Bunsengesellschaft, Vol 60, No 9/10, 1965, pp 866-874.
NLL Ref: 5828.4F (7261)

Sci-Chem
Mar 69

377,484

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



On the Collision Mechanism of Bimolecular Reactions. Pt. 1, by A. Henglein.
GERMAN, per. Ber. Deut. Buns. fur Phys. Chem., Vol 69, 1965, pp. 279-286.
NLL Ref: 9021.7 (14)

sci-phys chem
sept 69

391,048

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

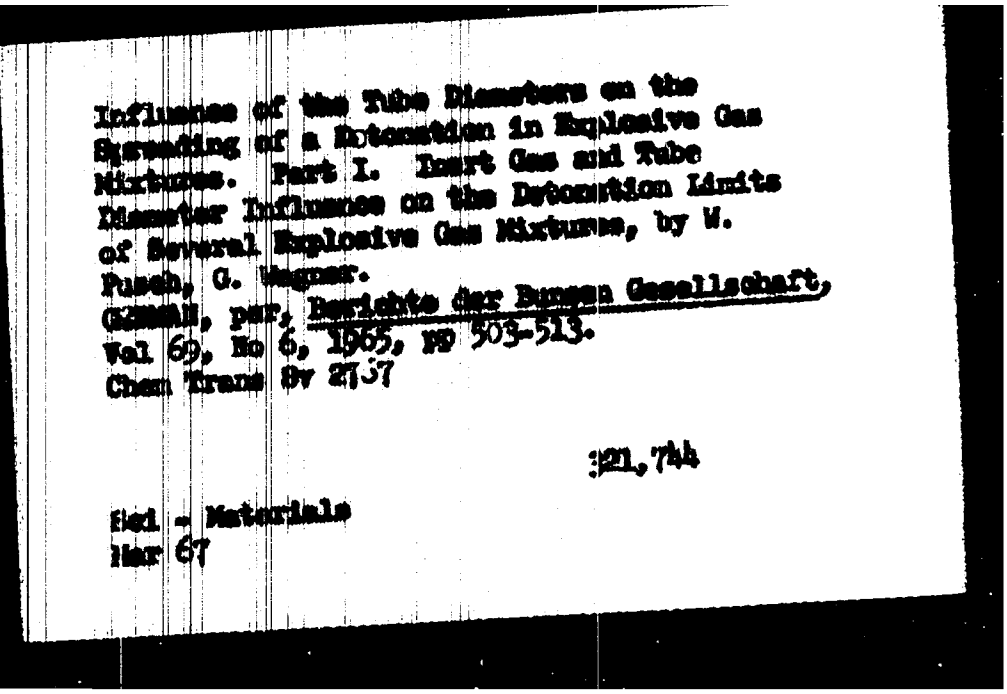
On the Collison Mechanism of Bimolecular Reactions, Part 2, by K. Lacmann, A. Henglein.
GERMAN, per, Berichte Bunsen fur Phys Chem, Vol 69, 1965, pp 286-291.
NLL Ref: 9021.7 (22)

Sci-Phys
Oct 69

395,170

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



Influence of the Tube Diameters on the Spreading of a Detonation in Explosive Gas Mixtures. Part I. Inert Gas and Tube Diameter Influence on the Detonation Limits of Several Explosive Gas Mixtures, by W. Fusch, G. Wagner.
(GERMAN, per; Berichte der Bunsen Gesellschaft, Vol 69, No 6, 1965, pp 503-513.
Chem Trans Sv 2137

:21,744

Mat - Materials
Mar 67

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Water of Swelling of the Cell as Source of Error in Cryscopic Determinations of Osmotic Pressure, by K. Kreeb.
GERMAN, per, Deutsche Botanische Gesellschaft. Berichte, Vol 78, No 4, 1965, pp 159-166.
NTC-71-11452-06C

Nov 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

English Title Unknown, by H. Mohr.
GERMAN, per, Ber Der Deu Bot Gesell., Vol 78, 1965,
pp 54-68.
*NTIS/SI TT 71-55360
Available SI Only

July 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

English Title Unknown, by R. Bergfeld.
GERMAN, per, Ber D Bot Gesell., Vol 78, 1965,
pp 69-73.
*NTIS/SI TT 71-55414
Available SI Only

July 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

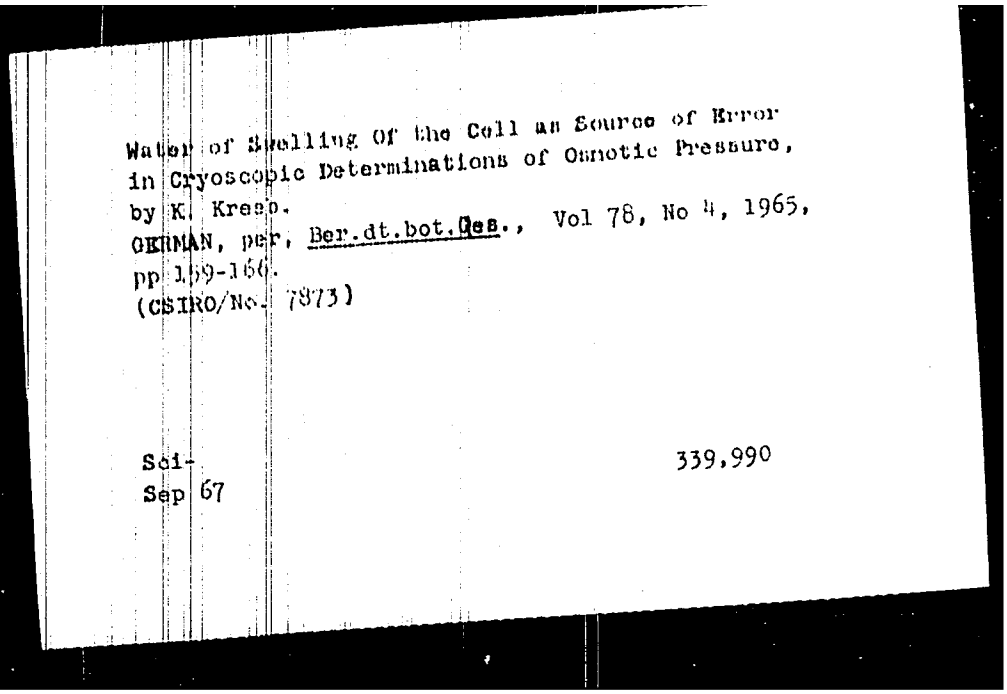
APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Rhythmical Processes During the Swarm Development of Myxobacteria, by H. Reichenbach. GERMAN, per, Deutsche Botanische Gesellschaft, Berichte, Vol 78, 1965, pp 102-105. NTC-71-11902-06C

Nov 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



Water of Swelling Of the Cell an Source of Error
in Cryoscopic Determinations of Osmotic Pressure,
by K. Kreeb.
GERMAN, per, Ber.dt.bot.Ges., Vol 78, No 4, 1965,
pp 159-160.
(CSIRO/No. 7873)

Sci-
Sep 67

339,990

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Recording the Water Balance by Means of the Electrical Conductivity of the Leaves, by K. Kreeb,
GERMAN, per, Deutsche Botanische Gesellschaft, Berichte, Vol 79, No 3, 1966, pp 150-162.
NTC-71-11885-06C

Nov 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

RASCHKE, K. Regulation of transpiration by photosynthe
Ber.dt.Bot.Ges. 80(2):138-44 (1967) (CSIRO/No. 9894

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Biomembranes. Structure and Function, by
P. Sitte.
GERMAN, per, Deutsche Botanische Gesellschaft.
Berichte, Vol 82, 1969, pp 329-383.
NIC-71-14832-06C

Feb 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Genatypes and Methods for the Mass Culture of Algae,
by E. Stengel.
GERMAN, per, Ber Dtsch Bot Ges Bd., Vol 83, No 11,
1970, pp 589-606
*NTIS TT 73-53014

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

The Mechanism of the Dissolution of Gallium Arsenide,
by H. Gerischer.
GOVERNMENT USE ONLY
GERMAN, per, Deutsche Berichte der Bunsen Gesellschaft
fur Physikalische Chemie, Vol 69, No 7, 1965,
pp 578-583.
ARM/FSTC/HE-23-203-72

Sept 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

The Electromotive Force of the Galvanic Cell $Pt(H_2)/HI(m)[AgI]/Ag$ in the Temperature Range From 20 to 200°C, by G. Kortun, W. Haussermann. GERMAN, per, Berichte der Bunsengesellschaft Physikalische Chemie, Vol 69, No 7, 1965, pp 594-604.
CEGB Digest
C.E. Trans 4633

Sci-Chem
Dec 68

372,102

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

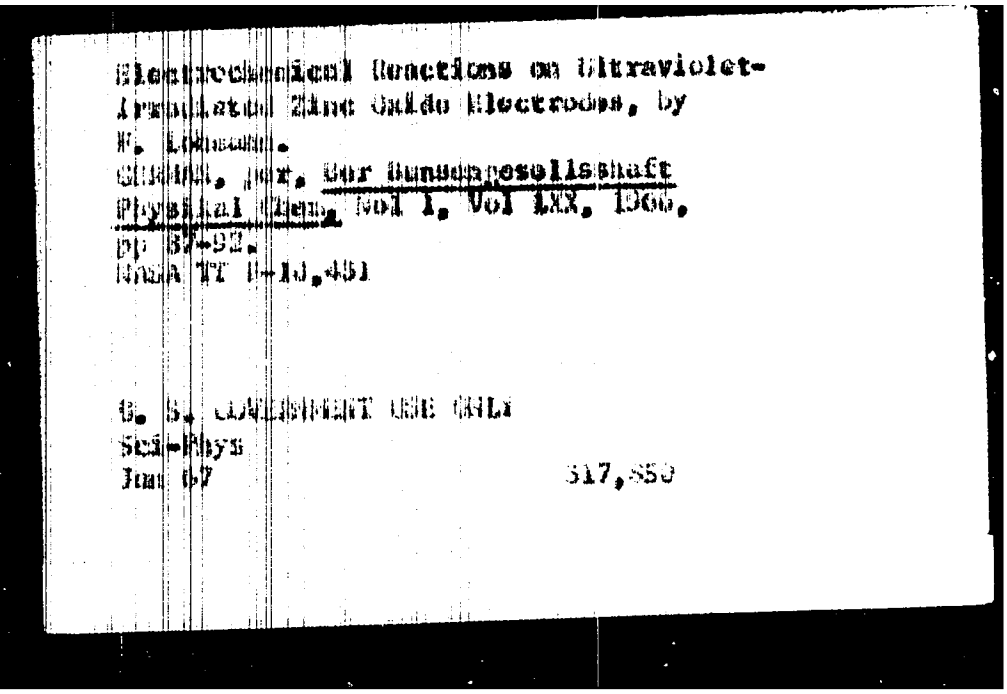
APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Gel Permeation Chromatography in Organic Solvents, by G. Meyerhoff.
EUROPEAN, per, Deutsche Bunsengesellschaft fuer Physikalische Chemie. Berichte, Vol 69, 1965, pp 866-874.
NTC-71-15677-07D

Feb 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9



Electrochemical Reactions on Ultraviolet-
Irradiated Zinc Oxide Electrodes, by
F. Lincoln.
Ghimi. Ind. Ber Bunsengesellschaft
Physikal Chem. Vol 1, Vol LXX, 1966.
pp 87-92.
Engr TT 11-13,451

U. S. GOVERNMENT USE ONLY
Sci-Phys
Jun 67 517,550

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Diffusion of Ni-63 in Cu at Low Temperatures.
by H. P. Bonzel.
GERMAN, per. Berichte der Bunsengesellschaft.
No 70, 1966, pp 73-81.
*NBS TT 70-57408

Sci-Mat
Aug 70

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Hydrogen in Palladium Alloys, by
H. Brodowsky, H. Husemann, 9 pp.
GERMAN, por, Ber der Bunsen-Ges, fuor
Physikalische Chemie, Vol LXX, 1966,
pp 626-630.
CIA/FDD X-3973

Sci - Materials
Oct 66
FOR OFFICIAL USE ONLY

312,854

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Kinetics of the Reaction of Graphite With CO_2-CO and H_2O-H_2 Mixtures, by H. J. Grabke.
GERMAN, per, Berichte der Bunsengesellschaft fur Chemie, Vol 70, 1966, pp 664-674.
C. E. trans 5494

sci/mechan engr
Nov 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Reflection Spectra of Fluorides of Bivalent Chromium, by D. Oelkrug.
GERMAN, per, Berichte der Bunsengesellschaft fur Physikalische Chemie, Vol 70, No 7, 1966, pp 736-741.
*AEC tr/6/2506

Sci/Physics
Jan 67

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Objective Recording Methods for Temperature Measurement by Spectrum Line Reversal, by D. Kisch and M. Mahnig
GERMAN per, Ber.Bunsenges phys.Chem. Vol 71 No 1: 54-9, 1967
CSIRO/no. 9576

Sci-phys
July 69

385,818

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Thermodiffusion in Binary Liquid Metal Systems, by R. Haase.
GERMAN, per, Ber Bunsenges Phys Chem., Vol 71, 1967, pp 392-397.
*NTIS/NBS TT 71-55137
Available NBS Only

June 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Absorption Spectra at High Pressures and Temperatures - Part 1. Aqueous Co(II) and Ni(II) Halide Solutions Up To 500°C and 6 kbar, by H. D. Ludemann.
GERMAN, per, Berichte der Bunsengesellschaft, Vol 71, No 5, 1967, pp 455-460.
CEGB-5457D

June 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

On the Reaction $O + H_2 \rightarrow OH + H$, by
K. Hoyermann, H. G. Wagner.
GERMAN, per, Berichte Der Bunsengesellschaft,
Vol 71, No 6, 1967, pp 599-602.
Dept of Navy API/JIU T-2145

Sci.
Dec 68

368,672

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Rate Determination of the O CCS CO SO
Reaction, by K. Hoyermann, H. G. Wagner.
GERMAN, per, Berichte Der Bunsengesellschaft
Fur Physikalische Chemie, Vol 71, No 6,
1967, pp 603-606.
Dept of Navy APL/JHU T-2151

Sci
Dec 68

368,670

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Active Sodium Transport on the Isolated Frog Skin as Power Source for a Microwatt Measuring Motor, by W. Karger, 11 pp.
GOVERNMENT USE ONLY
GERMAN, per, Berichte der Bunsen-Gesellschaft, Vol 71, 1967, pp 887-890.
ARM/FSTC/HT-23-643-69

Sci/B&M
Nov 69

397,184

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Unimolecular Reactions in Thermal Systems, by
J. Troe.
GERMAN, per, Deutsche Bunsengesellschaft fuer
Physikalische Chemie. Berichte, Vol 71, 1967,
pp 937-979.
NRC-C-11522
NTC 72-50042-07D

Jan 73

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Reactions in Crystalline Solids, by W. Rogalla.
GERMAN, per, Ber Bunsenges Phys Chem., Vol 72, 1968,
pp 12-19.
*NTIS/NBS TT 71-55136
Available NBS Only

June 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Space Charges Developing in Dipping Varnish Films Under the Conditions of Electro-deposition, by F. Beck.
GERMAN, per, Deutsche Bunsengesellschaft fuer Physikalische Chemie, Berichte, Vol 72, No 3, 1968, pp 445-452.
NTC-71-12228-07D

Nov 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Absorption Spectra at High Pressures and Temperatures - Part 2. Cobalt (II) and Nickel (II) Halides in Concentrated Alkali Halide Solutions, by
H. D. Ludemann, E. U. Franck.
GERMAN, per, Berichte Bunsengesellschaft, Vol 72, No 4, 1968, pp 514-523.
C.E. Trans 5449D

mar 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

H.J. Grabke

Reactions of ammonia, nitrogen and hydrogen on the surface of iron - part 1
GERMAN, Berichte der Bunsengesellschaft,
Vol. 72, No. 4, pp. 533-541 (1968)
C.E. Trans. 5743D

dec 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

H.J. Grabke

Reactions of Ammonia, nitrogen and hydrogen on the surface of iron - part 2
GERMAN, Berichte der Bunsengesellschaft, Vol. 72, No. 4, pp. 541 -548 (1968)
C.E. Trans. 5744 D

dec 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

The Precipitation of Sr Cl_2 From Supersaturated KCl,
by W. Rogalla.
GERMAN, per, Berichte der Bunsengesellschaft, Vol 72,
1968, pp 615-619.
*NTIS/NBS TT 71-55291
Available NBS Only

July 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Coulometric Titration of the Oxides of the Transition Metals, by H. G. Sockel, H. Schmalzried.
GERMAN, per, Berichte der Bunsen Gesellschaft, Vol 72, No 7, 1968, pp 745-753.
C.E. Trans 5311

Sci-Mat
Sep 70

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

The Solubility of H_2O in ZrO_2-Y_2O_3 Solid Solutions,
by C. Wagner.
GERMAN, per, Ber Bunsengesell Phys Chem., Vol 72,
1968, pp 778-781.
*NTIS/USDC/NBS TT 71-55091
Available NBS ONly

May 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Oxidation of Carbon Disulfide. Rates of Elementary Reactions. Part I, by K. H. Homann, G. Krome.
GERMAN, per, Berichte der Bunsen-Gesellschaft fur Physikalische Chemie, Vol 72, No 8, 1968, pp 998-1004.
Dept of Navy APL/JHU T-2267

Sci-Chem
June 69 383,163

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Rate of the Reaction of Atomic Hydrogen with Acetylene. Part I, by K. Hoyermann, H. G. Wagner.
GERMAN, per, Berichte der Bunsengesellschaft fur Physikalische Chemie, Vol 72, 1968, pp 1004-1008.
Dept of Navy APL/JHU T-2269

Sci-Chem
June 69

383,165

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Thermal Decomposition of Gaseous Alkali Metal Halides, by R. Hartig.
GERMAN, per, Deutsche Bunsengesellschaft fuer Physikalische Chemie. Berichte, Vol 72, 1968, pp 1016-1021.
NTC-71-14992-07D

Feb 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Study of Cubic Copper Sulfide. Part I., by
K. Weiss.
GERMAN, per, Berichte der Bunsengesellschaft, Vol 73,
1969, pp 338-344.
*NTIS/NBS TT 71-55289
Available NBS Only

July 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Study of Cubic Copper Sulfide. Part II., by K. Weiss. GERMAN, per, Berichte der Bunsengesellschaft, Vol 73, 1969, pp 344-348.
*NTIS/NBS TT 71-55290
Available NBS Only

July 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

The Homogeneous Thermal Dissociation of Formaldehyde, by H. G. Schecker, W. Jost, 11 pp.
GOVERNMENT USE ONLY
GERMAN, per, Berichte der Bunsengesellschaft, Vol 73, No 6, 1969, pp 521-526.
ARM/FSTC/HT-23-1443-71

Mar 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Detection of Charged Intermediaries in the Autoxidation of i-Propanol in Aqueous Solution by Pulse Radiolysis, by K. Stockhausen.
GERMAN, per, Deutsche Bunsengesellschaft fuer Physikalische Chemie, Berichte, Vol 73, 1969, pp 567-571.
NTC-71-14837-07D

Feb 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

A Technique for Direct Study of Atom-radical Reactions. The Rate of the Reaction O + CN CO + N, by K. Reinhardt, H. G. Wagner. GERMAN, per, Berichte der Bunsengesellschaft fur Physikalische Chemie, Vol 73, No 7, 1969, pp 638-640.
Dept of Navy APL/JHU T-2372

Sci-Phys
Feb 70

401,680

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

On the Doping Mechanism of Organic Semiconductors
by H. Meier.
GERMAN, per, Deutsche Bunsengesellschaft fuer Physikalische Chemie, Berichte, Vol 73, 1969, pp 795-805.
NTC 71-16760-07D

Mar 72

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Agency: Army/Redstone #47 R-13741-B
NIPR No. 971-60100-00-7016 14 Sept 71

Title: Carbon Disulfide Oxidation II. On the Oxidation of Carbonyl Sulfide.

Author: K.H. Homann, et al.

Source: Berichte der Bunsengesellschaft, 73, No. 10, 967-971 (1969).

Language: German

Special Instructions: Please translate.
Edited draft only.

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

The Pulse-Radiolysis Study of Some Elementary Processes in Autoxidation: Alcohols, Cyclohexene and Diethyl Ether in Aqueous Solution, by K, Stockhausen.

GERMAN, per, Berichte Deutsche Bunsengesellschaft fuer Physikalische Chemie., Vol 74, No 1, 1970, pp 34-40

NTC-71-10787-07D

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Agency: Army/Redstone #45 R-13740-D
NTIS No. 971-60100-00-7016 14 Sept 71

Title: Carbon Disulfide Oxidation III. The Isothermal Oxidation of Carbon Disulfide.

Author: K.H. Homann, et al.

Source: Berichte der Bunsen-Gesellschaft, 74, No. 7, 654-659 (1970).

Language: German

Special Instructions: Please translate.
Edited draft only.

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

The formation and Nature of Corrosion Pits Produced During Pitting of Iron and Theoretical Consequences in Respect of Pitting Corrosion, by K.J. Vetter and H.J. Strehblow.
GERMAN, per, Ber. Bunsen-Gesell., Vol 74, 1970, pp 1024-1055.
BISI 9493

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Formation Conditions of $MgSiO_3$ Modifications in Reactions Between MgO and SiO_2, by M. Kolterman.
GERMAN, per, Berichte der Deutschen Keramischen Gesellschaft, Vol 42, No 1 , 1965, pp 6-10
CSIRO/No 7507

Sci -
Jul 67

334,106

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Solid-State Reactions, by H. Schmalzried, 51 pp.
GERMAN, per, Ber Dsch Keram. Ges, Vol 42, 1965,
pp 11-22.
AEC UCRL Tr-1302(L)

327,857

Sci - Physics
Jun 67

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Dehydration Mechanism of Hydroxides, by H. Freund.
GERMAN, per, Berichte Der Deutschen Keramischen
Gesellschaft, Vol 42, No 1, 1965, pp 5-23 - 25
CSIRO/No 7506

Sci -
Jul 67

334,098

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

R-5702-D
12 Aug 65

Uber Abschreckmodifikationen und ihr Kristallwachstum in Systemen mit Zirkonoxid
By: A. Krauth, et al
From: Berichte der Deutschen Keramischen Gesellschaft e.V., V.42 #3 1965 pp61-72 12 pp)

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Type one camera ready copy, but do not paste in any graphs, drawings or pictures. Do include tables and formulas. Place captions at end for figures.

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APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Hydrothermal Studies on the System Al_2O_3-H_2O. Part I. Phase Boundaries and Stability Relations of Bohmite, Diaspore and Corundum at Pressures Above 50 Bars, by A. Neuhaus, H. Heide. GERMAN, por. Berichte Deutsche Keramische Gesellschaft, Vol 42, No 5, 1965, pp 167-184. NTC-69-13241-20B

Sci-Phys
Sept 69

392,801

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Contribution to the Investigation of Polymorphous Phases of Aluminium Oxide in Fireproof Bricks, by P. Robijn.
GERMAN, per. Ber. dt. keram. Ges, Vol. 42, No. 5, 1965, pp 193-196
INSDOC T. 7831

Sci -
Aug 67

337-119

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9

Problems of Classifying Highly Aluminous Bricks,
by W. Baumgart.
GERMAN, per. Ber. dts. keram. Ges, Vol. 42, 1965
No. 5, pp 209-212
INSDOC T. 7833

Sci -
Aug 67

337-116

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP91-00772R000301570003-9